



Environmental and Analytical Services-Since 1994  
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

**Prepared for:** DCOR, LLC  
290 Maple Court Suite #290  
Ventura, CA 93003  
Attn: Jay Rao

**Report Date:** August 11, 2017  
**Laboratory Number:** 171492  
**Project Name:** PF Hillhouse Produced Water-Weekly  
**Sampled by:** Jacob Ruth

Enclosed are the analysis results for samples received August 7, 2017 with the Chain of Custody document. The sample was received in good condition, at 10°C, and it was identified and assigned the laboratory ID number listed below:

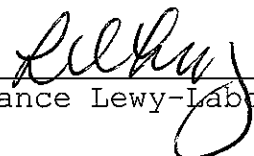
SAMPLE DESCRIPTION

CAS LAB NUMBER ID

Produced Water

171492-01

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

  
Lance Lewy-Laboratory Director

If you have any further questions or concerns, please contact me at your convenience. This report consists of 1 page excluding the cover letter and the Chain of Custody.

This report shall not be reproduced except in full without the written approval of CAS. The test results reported represent only the item being tested and may not represent the entire material from which the sample was taken.



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994  
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

### CERTIFICATE OF ANALYSIS

Client: DCOR, LLC (PF Hillhouse)  
CAS LAB NO: 171492  
Analyst: AV

Date Sampled: 08/07/17  
Date Received: 08/07/17  
Date Analyzed: 08/08/17  
Sample Matrix: Water

### OIL & GREASE ANALYSIS EPA METHOD 1664A

CAS LAB #	Sample ID	RESULTS (mg/L)	DF	MDL (mg/L)	PQL (mg/L)
171492-01	Produced Water	8.3	1	1.0	5.0

### QUALITY CONTROL REPORT

171492 -MB	Method Blank	ND	1	1.0	5.0
------------	--------------	----	---	-----	-----

mg/L: Milligrams/Liter(ppm)  
PQL: Practical Quantitation Limit  
MDL: Method Detection Limit  
ND: Not Detected or <MDL value  
Note: MDL<J\*<PQL

# CAPCO ANALYTICAL

**SERVICES**  
1536 Eastman Avenue  
Ventura, CA 93003  
(805) 644-1095 Fax 644-9947  
**CHAIN OF CUSTODY RECORD**

## REPORT:

Fax (805) 535-2075  
Company DCOR, LLC.  
Address 290 Maple Court, Suite 290  
Ventura CA, 93003

## BILL TO:

P.O. #  
Company: DCOR, LLC.  
Address

1771492

PROJ. NO.

PROJECT NAME:

Hillhouse  
Produced Water- Weekly

### SAMPLER'S SIGNATURE:

*[Signature]*  
Print Name: Jacob R. [unclear]

### CONTAINER TYPES

A=Amber Bottle, G=Glass,  
P=Plastic, V=Vial, O=Other  
Matrix

### Analysis

Oil & Grease

8/9

Remarks

Produced Water Temp: 78  
Turbidity: NTU 697

Relinquished by (Signature)

Date

Time

Print Name:

Received by (Signature)

Date

Time

Print Name:

Received by (Signature)

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California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

**Prepared for:** DCOR, LLC  
290 Maple Court Suite #290  
Ventura, CA 93003  
Attn: Jay Rao

**Report Date:** August 16, 2017  
**Laboratory Number:** 171540  
**Project Name:** PF Hillhouse Produced Water-Weekly  
**Sampled by:** Jeff Maser

Enclosed are the analysis results for samples received August 14, 2017 with the Chain of Custody document. The sample was received in good condition, at 10°C, and it was identified and assigned the laboratory ID number listed below:


SAMPLE DESCRIPTION

CAS LAB NUMBER ID

Produced Water

171540-01

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

  
Lance Lewy-Laboratory Director

If you have any further questions or concerns, please contact me at your convenience. This report consists of 1 page excluding the cover letter and the Chain of Custody.

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**Analytical Services, Inc.**

Environmental and Analytical Services-Since 1994  
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

**CERTIFICATE OF ANALYSIS**

Client: DCOR, LLC (PF Hillhouse)  
CAS LAB NO: 171540  
Analyst: AV

Date Sampled: 08/14/17  
Date Received: 08/14/17  
Date Analyzed: 08/15/17  
Sample Matrix: Water

**OIL & GREASE ANALYSIS  
EPA METHOD 1664A**

CAS LAB #	Sample ID	RESULTS (mg/L)	DF	MDL (mg/L)	PQL (mg/L)
171540-01	Produced Water	11.4	1	1.0	5.0

**QUALITY CONTROL REPORT**

171540 -MB	Method Blank	ND	1	1.0	5.0
------------	--------------	----	---	-----	-----

mg/L: Milligrams/Liter (ppm)  
PQL: Practical Quantitation Limit  
MDL: Method Detection Limit  
ND: Not Detected or <MDL value  
Note: MDL < J\* < PQL

# CAPCO ANALYTICAL

## SERVICES

1536 Eastman Avenue  
Ventura, CA 93003  
(805) 644-1095 Fax 644-9947  
CHAIN OF CUSTODY RECORD

## REPORT:

Fax  
Company  
Address

(805) 535-2075  
DCOR, LLC.  
290 Maple Court, Suite 290  
Ventura CA, 93003

## BILL TO:

P.O. #  
Company:  
Address

8/16

PROJ. NO.

PROJECT NAME:

Hillhouse  
Produced Water- Weekly

## CONTAINER TYPES

A=Amber Bottle, G=Glass,  
P=Plastic, V=Vial, O=Other  
Matrix

Sampler's Signature

Print Name: JEFF MASER

Water

Soil

Sludge

Other

Container #

Type

Analysis

Oil & Grease

Remarks

Produced Water Temp: 78  
Turbidity: NTU 3.23

Sample NO.

Date Sampled

Time Sampled

Comp

Grab

Sample Description

Produced Water

Water

Soil

Sludge

Other

Container #

Type

Analysis

Oil & Grease

Remarks

Produced Water Temp: 78  
Turbidity: NTU 3.23

Relinquished by (Signature)

Date

Relinquished by (Signature)

Print Name: Joe Alberty

Date

Time

Received by (Signature)

Print Name: Alex Vetskin

Date

Time

Relinquished by (Signature)

Print Name: Alex Vetskin

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Relinquished by (Signature)

Print Name: Alex Vetskin

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Time

Relinquished by (Signature)

Print Name: Alex Vetskin



Environmental and Analytical Services-Since 1994  
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

**Prepared for:** DCOR, LLC  
290 Maple Court Suite #290  
Ventura, CA 93003  
Attn: Jay Rao

**Report Date:** August 25, 2017  
**Laboratory Number:** 171584  
**Project Name:** PF Hillhouse Produced Water-Weekly  
**Sampled by:** David Hart

Enclosed are the analysis results for samples received August 21, 2017 with the Chain of Custody document. The sample was received in good condition, at 8°C, and it was identified and assigned the laboratory ID number listed below:

SAMPLE DESCRIPTION

CAS LAB NUMBER ID

Produced Water

171584-01

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

  
Lance Lewy-Laboratory Director

If you have any further questions or concerns, please contact me at your convenience. This report consists of 1 page excluding the cover letter and the Chain of Custody.

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**CERTIFICATE OF ANALYSIS**

Client: DCOR, LLC (PF Hillhouse)  
CAS LAB NO: 171584  
Analyst: AV

Date Sampled: 08/21/17  
Date Received: 08/21/17  
Date Analyzed: 08/22/17  
Sample Matrix: Water

**OIL & GREASE ANALYSIS**  
**EPA METHOD 1664A**

CAS LAB #	Sample ID	RESULTS (mg/L)	DF	MDL (mg/L)	PQL (mg/L)
171584-01	Produced Water	1.4J*	1	1.0	5.0

**QUALITY CONTROL REPORT**

171584 -MB	Method Blank	ND	1	1.0	5.0
------------	--------------	----	---	-----	-----

mg/L: Milligrams/Liter (ppm)  
PQL: Practical Quantitation Limit  
MDL: Method Detection Limit  
ND: Not Detected or <MDL value  
Note: MDL < J\* < PQL



1536 Eastman Avenue  
Ventura, CA 93003  
(805) 644-1095 Fax 644-9947  
**CHAIN OF CUSTODY RECORD**

## REPORT:

Fax

(805) 535-2075

Company

Address

290 Maple Court, Suite 290  
Ventura CA. 93003

**Phone: 805 535-2078**

**Contact: Jay Rao**

**Bill To:**

P.O. #

Company:

Address

DCOR 11C

**00000**

[illegible]



Environmental and Analytical Services-Since 1994  
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

**Prepared for:** DCOR, LLC  
290 Maple Court Suite #290  
Ventura, CA 93003  
Attn: Jay Rao

**Report Date:** September 8, 2017  
**Laboratory Number:** 171633  
**Project Name:** PF Hillhouse Produced Water-Weekly  
**Sampled by:** Mark Hicks

Enclosed are the analysis results for samples received August 28, 2017 with the Chain of Custody document. The sample was received in good condition, at 9.1°C, and it was identified and assigned the laboratory ID number listed below:

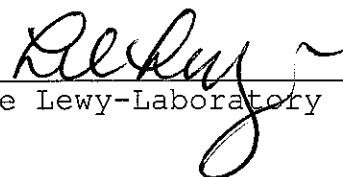
SAMPLE DESCRIPTION

CAS LAB NUMBER ID

Produced Water

171633-01

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

  
Lance Lewy-Laboratory Director

If you have any further questions or concerns, please contact me at your convenience. This report consists of 1 page excluding the cover letter and the Chain of Custody.

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Analytical Services, Inc.

Environmental and Analytical Services-Since 1994  
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

### CERTIFICATE OF ANALYSIS

Client: DCOR, LLC (PF Hillhouse)  
CAS LAB NO: 171633  
Analyst: AN/GP

Date Sampled: 08/28/17  
Date Received: 08/29/17  
Date Analyzed: 08/30/17  
Sample Matrix: Water

### OIL & GREASE ANALYSIS EPA METHOD 1664A

CAS LAB #	Sample ID	RESULTS (mg/L)	DF	MDL (mg/L)	PQL (mg/L)
171633-01	Produced Water	4.8J*	1	1.0	5.0

### QUALITY CONTROL REPORT

171633 -MB	Method Blank	ND	1	1.0	5.0
------------	--------------	----	---	-----	-----

mg/L: Milligrams/Liter (ppm)  
PQL: Practical Quantitation Limit  
MDL: Method Detection Limit  
ND: Not Detected or <MDL value  
Note: MDL < J\* < PQL

# CAPCO ANALYTICAL

## SERVICES

1536 Eastman Avenue  
Ventura, CA 93003  
(805) 644-1095 Fax 644-9947  
CHAIN OF CUSTODY RECORD

## REPORT:

Fax (805) 535-2075  
Company DCOR, LLC.  
Address 290 Maple Court, Suite 290  
Ventura CA. 93003

## BILL TO:

P.O. #  
Company: DCOR, LLC.  
Address

171633

Phone: 805 535-2078

Contact: Jay Rao

PROJ. NO.

PROJECT NAME:

Hillhouse  
Produced Water- Weekly

SAMPLER'S SIGNATURE:

Mark Hicks

## CONTAINER TYPES

A=Amber Bottle, G=Glass,  
P=Plastic, V=Vial, O=Other  
Matrix

Print Name: Mark Hicks

Water Soil Sludge Other # Container Type

## Analysis

Oil & Grease

Remarks

Produced Water Temp: 76.5  
Turbidity: NTU 5.55

## CHECK ONE BOX

Dispose samples  
Return samples

Relinquished by: (Signature)

Date 8/28/17

Received by: (Signature)

Print Name: Chris Caplin

Relinquished by: (Signature)

Print Name: Chris Caplin

Date 8/28/17

Received by: (Signature)

Print Name: Mark Hicks

Print Name: Joe Albertson

Date 07:00

Received by: (Signature)

Print Name: Chris Caplin

Relinquished by: (Signature)

Print Name: Chris Caplin

Date 0800

Received by: (Signature)

Print Name: Mark Hicks

Relinquished by: (Signature)

Date 8/29/17

Received by: (Signature)

Print Name: Chris Caplin

Relinquished by: (Signature)

Print Name: Chris Caplin

Date 0800

Received by: (Signature)

Print Name: Mark Hicks

Print Name: Mark Hicks

Date 1050

Received by: (Signature)

Print Name: Chris Caplin

Relinquished by: (Signature)

Print Name: Chris Caplin

Date 0800

Received by: (Signature)

Print Name: Mark Hicks

Verified by Lead Operator: (Signature)

Date 8/28/17

Received by: (Signature)

Print Name: Chris Caplin

Relinquished by: (Signature)

Print Name: Chris Caplin

Date 0800

Received by: (Signature)

Print Name: Mark Hicks

Print Name: Joe Albertson

Date 07:00

Received by: (Signature)

Print Name: Chris Caplin

Relinquished by: (Signature)

Print Name: Chris Caplin

Date 0800

Received by: (Signature)

Print Name: Mark Hicks

## Turn Around time

24Hr  
48Hr  
72Hr

5 day  
Standard  
other

X